A Survey Assessment of Perceived Medical Readiness Among Deployed Army Nursing Personnel

MAJ Jennifer L. Robiso
CCRN, MSN

Introduction

Recognition & Appreciation

- COL (R) Reineck – R.E.A.D.I. (r)
- CPT Bieber, CPT Knight, CPT Row
- Ms Kathy Hamilton – MAMC Nursing Research
- Dr Lori Loan & Ms Mary McCarthy
- LTC Mona Bingham
- LTC Kathryn Gaylord

Purpose

-To what extent do deployed Army nursing personnel perceive themselves to be confident and competent to provide patient care in a deployed or field status?

Time line for Research while Deployed

- 20 FEB 03 - Discuss with research dept
- 7 MAR 03 – Deployed
- End of April – ready to begin study
- MAY 03 – tests mailed
- June and July 03 – study conducted
- Nov 03 – data analyzed

Madigan Army Medical Center

47th Combat Support Hospital

Research Design

- **prospective, descriptive and comparative design**

Methods

- Sample
- Data Collection
- Instrument

Sample

- 116 subjects
- 272 medical personnel assigned or attached to the 47th Combat Support Hospital were invited to participate.
- 116 completed the test (43%)

Data Collection

- Reviewed process with C, Nursing Research MAMC and 47th CSH Research group
- Peer distributed
  - 2 CPT & 1 1LT
- Locked box centrally located

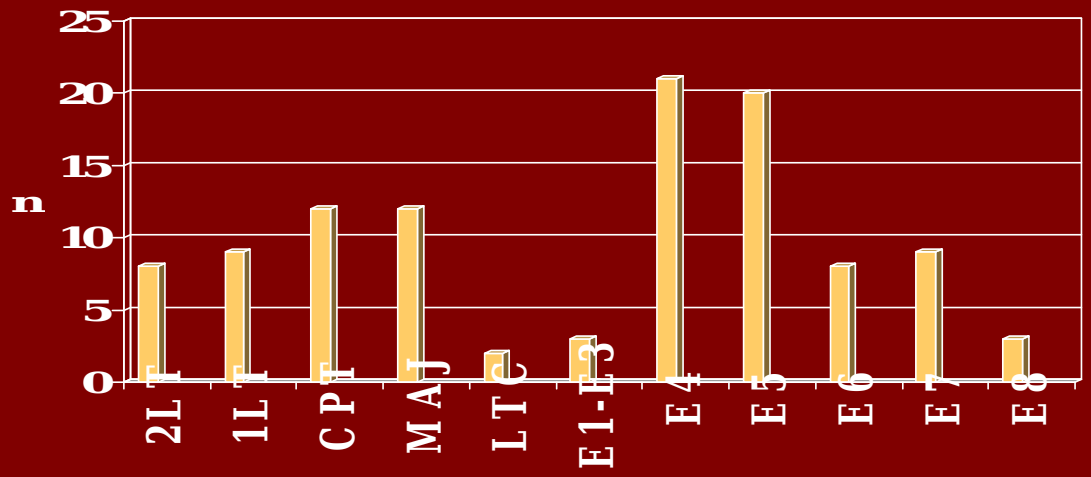
Instruments

- Readiness Estimate and Deployability Index (READI-revised) (Reineck, 2002; Rivers, 2003).
- 6 dimensions of readiness
  - clinical competency
  - soldier/survival skills (SSS)
  - operational competency
  - personal/physical/psychosocial stress (PPPS)
  - leadership & administration
  - group identification & integration (GII).

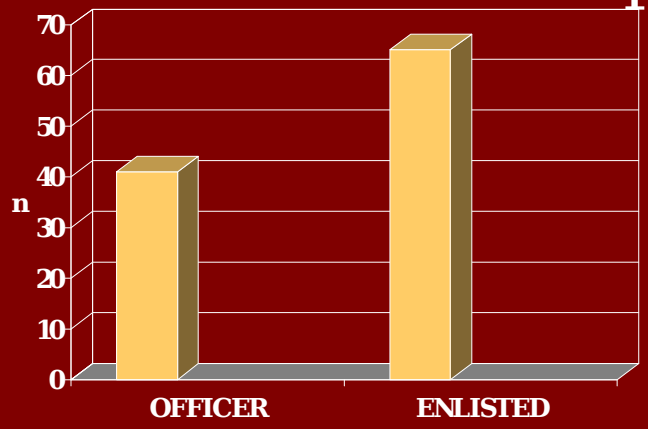
Analysis

- Statistical Analysis **($p \leq .05$)**
  - Descriptive
  - Chi Square
  - T-test
  - ANOVA

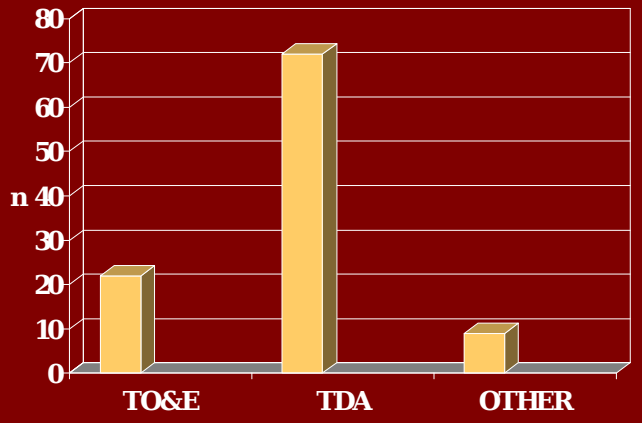
Demographics



Participants by Rank

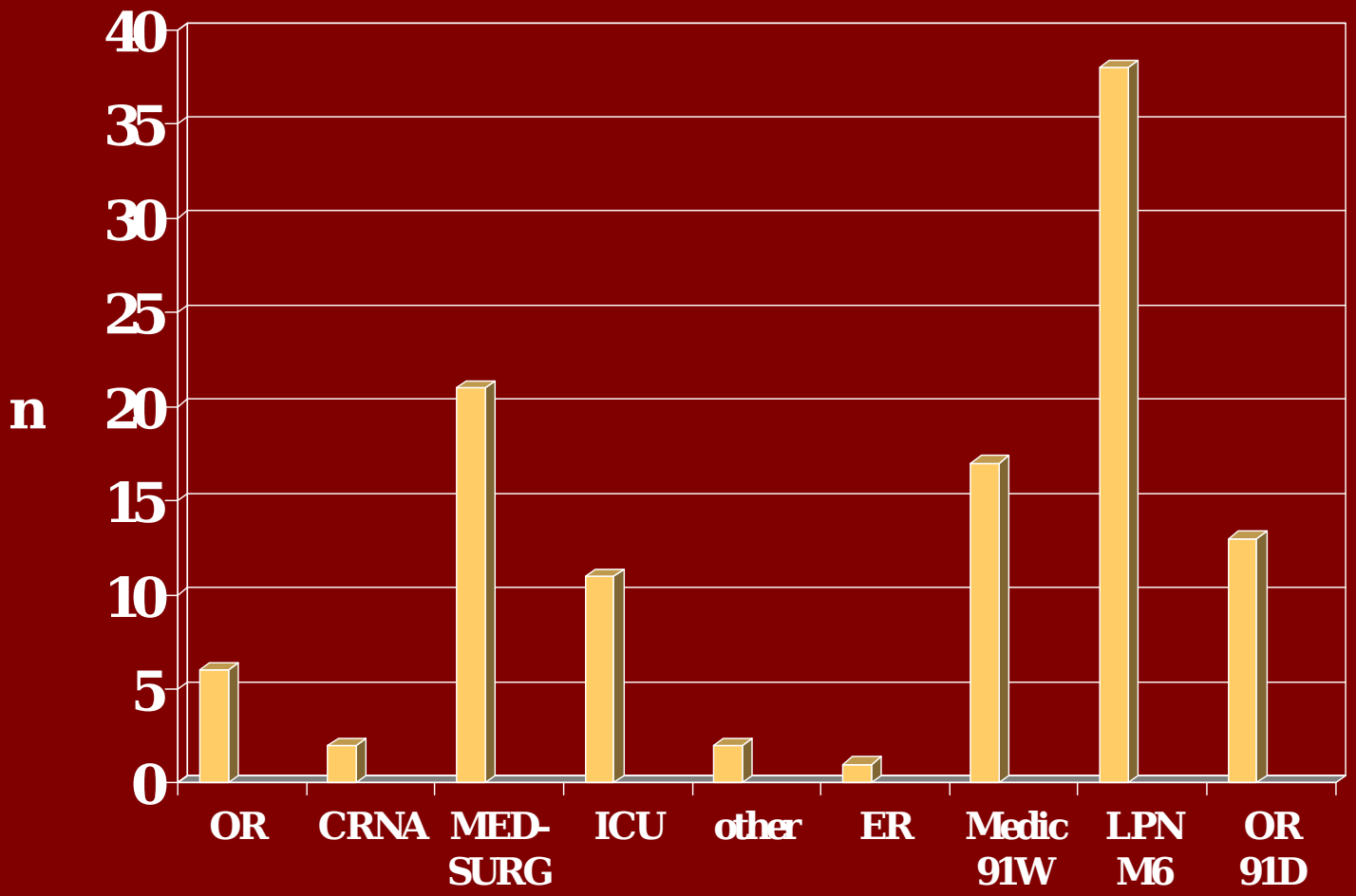


Comparison of Officer & Enlisted participants



Primary Assignment

Military Occupational Specialty



116 total

Significant Findings

Findings

- Operational competency scores varied according
  - age ($p = .02$)
  - experience ($p = .01$)
  - rank ($p = .02$)
  - job type ($p = .001$)
- SSS scores improved
  - experience ($p = .001$)
  - rank ($p = .001$)
- GII scores varied significantly
  - job type ($p = .005$) experience ($p = .03$) and rank ($p = .005$)

Findings cont.

- Experienced nursing personnel had more advantageous PPPS scores ($p = .005$).
- Older nursing personnel had higher total READI scores ($p = .03$)

Results of Tested Areas

	N	Minimum	Maximum	Mean	Std. Deviatio
Clinical Nursing Competency Score	93	47	141	99.66	21.812
Operational Nursing Competency	109	8	25	17.37	4.122
Soldier & Survival Skills Score	108	22	55	41.32	8.400
Personal & Physical Readiness	97	3	13	8.88	1.757
Psychosocial Readiness	89	32	61	49.71	6.710
Leadership & Administration Support	105	3	19	10.48	3.616
Group Integration & Identification Score	112	4	20	14.15	3.129
Total READI Score	67	173	315	242.30	37.116
Valid N (listwise)	67				

Conclusions

- Great amount of data to continue to analyze
- READI –R – 2002

Recommendations & Military Implications

- Up-date tool
  - new equipment
  - NBC
    - J-lst
    - CP-DEPMEDS
  - Stress relief
  - PROFIS MTF
- Use as baseline data for in-processing
- PROFIS
- Variety of MOS
- Post-deployment

Conclusion & Questions

?

jennifer.l.robison@us.army.mil